Revison History（Net Igo Campus System）

No.	Type	Revision Description
Ver10.4 (2022/07/21)		
1	Improvement	(AI GOBAN) Katago 1.11.0 upgrade.
2	""	(NET CLASS: S) Prohibit student start AI Goban in classroom.
3	""	(NET CLASS: T) Manually reset the net connection when server is disconnected.
4	""	(COMMON) Able to read kifu with HA[1] .
5	""	(COMMON) Save kifu periodically when you are editing kifu.
6	Bug Fix	(NET CLASS: T) Fix the problem of daily report creation failure in occasion.
Ver10.3 (2022/01/06)		
1	New Feature	(COMMON) Move stone position by mouse drag and drop.
2	Improvement	(COMMON) Popup menu for delete move, kifu basic info and stone comment edit, by right click in goban.
3	""	(NET CLASS: T) Hide 4 middle characters of class id, for invoice printing.
4	""	(NET CLASS: S) Add setting item for mic volume.
5	""	(SYS MAINT) Add setting of camera usage at server side, for a teacher.
6	Bug Fix	(NET CLASS: T) Application can't exit automatically, for longtime of none operation.
7	""	(NET CLASS: T) Student list is cleared in server side when login both 2 PCs at same time.
8	""	(AI GOBAN) Move tree in right panel, does not show any moves, startup by double click a SGF file.
9	""	(SYS MAINT) Sometimes, system watcher can connect the classroom, in second time.
Ver10.2 (2021/11/11)		
1	New Feature	(NET CLASS) AI analysis in share review goban. (Optional)
2	""	(NET CLASS: T) Show the details of free time usage.
3	""	(AI GOBAN) Start AI engine by command line. (Optional)
4	Improvement	(AI GOBAN) Katago 1.10.0 upgrade.
5	""	(NET CLASS) Auto show move number in share review goban, for varation moves of a game kifu.
6	""	(NET CLASS: S) Allow [SCORE] button click, even he has no move authority in share goban.
7	""	(NET CLASS: S) Show [OK],[NG] status if it has, in share goban's onboard comment showing.
8	""	(COMMON) Minor revision for parameters of AI score calculation, and kifu saving folder.
9	""	(MANAGEMENT) Several minor revisions.
10	Bug Fix	(NET CLASS: T) Abnormal exiting when system observer is connected for oneroom-class.
11	""	(NET CLASS) Show problem of share goban. (rare case)
12	""	(NET CLASS) [SCORE] button show problem for external game kifu.
13	""	(NET CLASS) Startup problem in some PCs, after upgrade to Win11.
14	""	(AI GOBAN) The tree panel of the right side is not refreshed, after comment clear.
15	""	(AI GOBAN) Showing problem of right panel (size control failed).
16	""	(AI GOBAN) Void the vedio showing way by screen capture.
Ver10.1 (2021/10/07)		
1	New Feature	(COMMON) SGF extension-type association, auto open SGF file by IGC.
2	Improvement	(NET CLASS: T) Runs more lightly in processing. (※T: teacher app, S: student app)
3	""	(NET CLASS: T) Add a setting option of topmost show for game dialog.
4	""	(NET CLASS: T) Adjust showing of some items (usage details, account info) in My Account window.
5	""	(NET CLASS: T) Add a select option of student type [NA(－)] for attendance report.
6	""	(NET CLASS: T) Hint with bell ring and color, when receiving mic or speaker open request from student.
7	""	(NET CLASS: T) Auto stop [Question Library] function, for membership expired.
8	""	(NET CLASS: S) Show speaker status, add function of speaker open request.
9	""	(NET CLASS: S) Open camera at beginning of app startup. (for camera testing)
10	""	(NET CLASS) Hint both player and teacher, when net disconnected in game playing.
11	""	(NET CLASS) Revised some fixed messages of textual chat.
12	""	(AI GOBAN) Add a setting option whether showing the kifu tree panel.
13	""	(COMMON) Revised some items of showing in goban.
14	Bug Fix	(NET CLASS: S) Add forced mode by setting, to mute mic for those PCs could not muted by teacher remotely.
15	""	(NET CLASS: T) Sometimes voice could not be recovered, even pressed [VD.RESET] button.
16	""	(NET CLASS: T) User message input dialog goes behind when Share Review dialog shows in topmost mode.
17	""	(NET CLASS: T) Display problem in folder tree of [problem library]. (when vertical scroll bar shows)
18	""	(AI GOBAN) Display problem in kifu tree and folder tree. (when vertical scroll bar shows) .
19	""	(AI GOBAN) Sometimes AI think time does not fit the setting value in AI game play.
20	Removed	(NET CLASS) Kifu drag&drop open. (in case of unnecessary)
Ver10.0 (2021/09/02)		
1	New Feature	(AI GOBAN) Show diagram buttons and kifu tree.
2	Improvement	(AI GOBAN) Disable the operation of kifu tree and comment edit, in GIF creating.
3	""	(AI GOBAN) Game starts from current situation in goban.
4	""	(NET CLASS) Inform teacher with bellring, when students' game is over .
5	""	(NET CLASS) Correct some word expressions in dispaly.
6	""	(COMMON) Abandom the IGS coordinates show which is introduce in Ver9.9.
7	Bug Fix	(AI GOBAN) If Katago weight file does not exist, it is auto created by LeelaZero weight file.
8	""	(NET CLASS) System exit in exception after login, if PC has none audio devices.
9	""	(NET CLASS) Server runs heavily if kifu save exception accurs.
Ver9.9 (2021/08/05)		
1	New Feature	(AI GOBAN) Display kifu tree, and can edit kifu title or move comment directly.
2	Improvement	(AI GOBAN) Katago 1.9.1 upgrade.
3	""	(AI GOBAN) Change maximum step count of AI analysis showing (15→30).
4	""	(AI GOBAN) Auto show game result, when AI/AI game ends by both playing pass.
5	""	(AI GOBAN) Add a user setting, whether shows confirmation before delete a move.
6	""	(AI GOBAN) Output no edge line when generate GIF file in partial goban.
7	""	(AI GOBAN) Improvement of GIF footer output.

8	""	(COMMON) Change move number color (red→light blue) for current move of black stone.
9	""	(COMMON) Expand font size of 2 digits move number.
10	""	(COMMON) Chinese coordinate output option in kifu print.
11	""	(COMMON) Show goban coordinate (number) from upper to low in descent order.
12	""	(NET CLASS) Speeding up of speaker switch, and detach the relation of mic switch.
13	""	(NET CLASS) Open speaker, and set volume at least to 35%, when entering a classroom.
14	""	(NET CLASS) Automaticaly retry login one more time, when net state is abnormal.
15	""	(NET CLASS) Update picture of microphone and web camera.
16	""	(NET CLASS) Auto delete comments, when open a kifu (size over 20K) in share goban window.
17	Bug Fix	(AI GOBAN) AI diagram goban can not update automatically, when Show Move Of Diagram is set to [ALL] .
18	""	(AI GOBAN) Generate a gif file and save to a file which is in open, system exits in exception.
19	""	(COMMON) The placed stone in SGF can not read ocasionally.
Ver9.8 (2021/05/27)		
1	New Feature	(NET CLASS) Temporarily student deletion and reactivation.
2	""	(NET CLASS) Play game by external kifu (optional function → common function).
3	Improvement	(AI GOBAN) Katago 1.8.2 upgrade.
4	""	(NET CLASS) Improve data transfer module to deduce GUI freezing by data transfer problem.
5	""	(COMMON) Auto adjust font size of move step showing.
6	""	(COMMON) Restart function for the symbol showing of number or alphabet in goban.
7	""	(COMMON) Several minor improvent of window showing.
8	Bug Fix	(AI GOBAN) Katago auto resign winrate setting is not correct.
Ver9.7 (2021/04/18)		
1	Bug Fix	(COMMON) V9.6(RevisionNo13) degrade, revert changes.
Ver9.6 (2021/04/15)		
1	Improvement	(AI GOBAN) Add auto kifu replay function in AI window.
2	""	(AI GOBAN) Add AI game and analysis for self-define komi points.
3	""	(NET CLASS) Show original file name in game list, for external kifu game.
4	""	(NET CLASS) Manage teacher's kifu as a student, if he adds a student using teaher's full name.
5	""	(NET CLASS) Also output CSV file in USB class info backup.
6	""	(NET CLASS) Show room no in descending order, in sub teacher management window.
7	""	(NET CLASS) Edit the showing message of class info uploading.
8	""	(COMMON) Auto change 3-stone handicap game kifu of white player's view to the black player's view.
9	Bug Fix	(AI GOBAN) AI analyzing show in error, of 3-stone handicap game of white player view.
10	""	(NET CLASS) Occasional time showing error, for 10-second game.
11	""	(NET CLASS) Showing error of special annual fee.
12	""	(COMMON) System exit abormally, when set none digital value for self-define komi points.
13	""	(COMMON) Earphone sound can not be record in video recording. (Mic-listen to this device setting required)
14	""	(COMMON) Potential problems when the version no reaches 2 digits in future.
Ver9.5 (2021/01/19)		
1	Improvement	(AI GOBAN) Katago 1.8.0 upgrade.
2	""	(NET CLASS) Inform teacher when students' game is over. (Optional)
3	""	(NET CLASS) Show control panel in the left of share goban. (Optional)
4	""	(NET CLASS) Esc key to close the modal dialog which is gone to behind.
5	""	(NET CLASS) Auto restore to previous version, when classs info file is corrupted.
6	""	(MANAGEMENT) Several improvement of sys management module.
7	Bug Fix	(AI GOBAN) Default komi setting is not correct for both Chinese rule and Japanese rule.
8	""	(COMMON) Auto AI score calculation, sometimes can not startup.
9	""	(COMMON) Main window startup in minimize, and can not expand, when it is previously closed in minimized
Ver9.4 (2020/12/10)		
1	Improvement	(AI GOBAN) Katago 1.7.0 upgrade.
2	""	(AI GOBAN) Clear all comments in kifu.
3	""	(NET CLASS) Automatically save startup position and size of the main window of both teacher and student.
4	""	(NET CLASS) Hide the video / text chat panel by the setting option of teacher.
5	""	(NET CLASS) Hide student's My Review button in game goban by the setting option of teacher.
6	""	(NET CLASS) Hide the next move position show in share goban of student. (same for obseration app)
7	""	(NET CLASS) Hide the next move position show in share goban of teacher by option.
8	""	(NET CLASS) Different color show for record of usage fee monthly or yearly, in my account information.
9	""	(NET CLASS) Remove auto initialized record in my account information.
10	""	(NET CLASS) Today's user searching and displaying. (for system account only)
11	Bug Fix	(COMMON) vcruntime140.dll not founding exception in some PC.
12	""	(COMMON) Kifu changed after pressing【SHIFT・GAME】.
Ver9.3 (2020/11/05)		
1	New Feature	(COMMON) AI Score Calculate. (64B machine only, classroom game excluded)
2	""	(COMMON) None komi and draw game. (classroom game excluded)
3	""	(NET CLASS) Chatroom mode.
4	""	(NET CLASS) Viewer for agency account.
5	""	(AI GOBAN) Donate button.
6	Improvement	(COMMON) Startup the place stone mode for new question window.
7	""	(COMMON) Disable tool bar in score calculation.
8	""	(COMMON) Some Japanese expression fix.
9	""	(NET CLASS) Hide private information show by setting option.
10	""	(NET CLASS) Hide partial of name by setting option.
11	""	(NET CLASS) Payment prompt for users with charge delinquency. (over 2,000 yen)
12	""	(AI GOBAN) Black Score showing range(5-50pts) by setting option.
13	""	(AI GOBAN) Set Katago(CPU) as the default AI engine (64B machine only)

14	Bug Fix	(COMMON) Print overflows, in event name, player's name with line break, or many of stones to draw outside
15	""	(COMMON) Mouse right double click is still in effect, in score calculation.
16	""	(AI GOBAN) Label shows overflowing the chart in some cases.
17	""	(AI GOBAN) The status of navi buttons for touch panel, is not restored after score calculation.
18	""	(AI GOBAN) The label can not show when the win rate is 100%.
19	""	(NET CLASS) App exits abnormally, when login a teacher account that hasn't been used over 3 months.
20	Removed	(COMMON) Goban Image Print. (rarely usable)
21	""	(QLIBRARY) AI function in try answer window. (rarely usable)
Ver9.2 (2020/10/01)		
1	Improvement	(AI GOBAN) Katago 1.6.1 upgrade. (Pure CPU OK)
2	""	(COMMON) Korean expression corrections.
3	""	(NET CLASS) Mic and speaker's test function.
4	Bug Fix	(NET CLASS) Several minor bugs fixing.
Ver9.1 (2020/08/20)		
1	Improvement	(AI GOBAN) Katago 1.5.0 upgrade.
2	""	(AI GOBAN) Big show of move navi buttons (optional for touch screen).
3	""	(NET CLASS) Goban size setting for rating games. (optional)
4	""	(NET CLASS) Net speed test function.
5	""	(NET CLASS) Student send message to teacher in offline.
6	""	(NET CLASS) A message will be displayed at the start of the lecture for teachers in arrears.
7	""	(NET CLASS) Observer ID setting.
8	""	(NET CLASS) Revisions for teacher account management.
9	""	(COMMON) Approve arrow shape show.
10	Bug Fix	(COMMON) Link click is not effetive in notitce board.
11	""	(NET CLASS) Open none student classroom, system abort abnormally.
12	""	(AI GOBAN) Drawing shapes are not cleared, after goban clear of AI goban.
13	""	(AI GOBAN, PROBLEM LIB) Goban buttons in problem test or exercise window show abnormally by Q-title.
Ver9.0 (2020/07/16)		
1	New Feature	(NET CLASS) Realtime show usage fee in teacher app.
2	""	(NET CLASS) Textual chat with support center in classroom for teaher.
3	""	(NET CLASS) Visualize the movable permission in student's share review goban.
4	""	(COMMON) Notice Board show.
5	Improvement	(AI GOBAN) Katago 1.4.5 upgrade.
6	""	(PROBLEM LIB) Merge library selection and library contents showing, in one window.
7	""	(NET CLASS) Add length limit of 256 characters, in textual chat for both teacher and student.
8	""	(NET CLASS) Show the usage state of share review goban by [SHARE REVIEW] button's back color.
9	""	(NET CLASS) Auto create file name by players info, when save a IGC game kifu.
10	""	(NET CLASS) Add output condition of student type in attendance report output.
11	""	(NET CLASS) Word fix in student info management window.
12	""	(NET CLASS) Show error message when download class info with net disconnection state.
13	""	(NET CLASS) Show Nigiri button only when komi points is set to 6.5 or 7.5.
14	""	(NET CLASS) Extend komi point setting to 100 points.
15	""	(SYS MAINT) Manage teacher's version number in server side.
16	""	(SYS MAINT) Manage time usage statics in center server.
17	""	(SYS MAINT) Visualize muti-room share, online student count and 1 room mode, in server mng system
18	Bug Fix	(NET CLASS) Other tele-conference system is affected, even removed the video/audio options in IGC.
19	""	(NET CLASS) Employee teacher fails to get student's school grade info.
20	""	(NET CLASS) App exits in abnormal when a blank type exist in student's type edit window.
21	""	(NET CLASS) App exits in abnormal when start a lesson in net disconnection state in extension mode,
22	""	(NET CLASS) App exits in abnormal when create a student and edit and save immediately,
23	""	(AI GOBAN) Microphone is opened compulsory in app exit.
24	""	(SYS MAINT) Login datetime is not recorded, when teacher login from overseas server.
Ver8.9 (2020/06/11)		
1	New Feature	(NET CLASS) Students' attendance report print.
2	""	(NET CLASS) Edit and show onboard comment in share review window.
3	""	(NET CLASS) Game judgement with points by teacher.
4	""	(NET CLASS) Rank set by staff, and history view for ower teacher.
5	""	(NET CLASS) Share review goban for multi-room use. (lecture for above 10 students)
6	""	(NET CLASS) Controls of students' speaker in teacher side.
7	""	(NET CLASS) Set start move for a game of external kifu.
8	Improvement	(AI GOBAN) Katago 1.4.2 upgrade.
9	""	(NET CLASS) Show teahcer's IGC version, OS version and class information in observer app.
10	""	(NET CLASS) Show【Reset Settings】message, when sub app can not start up.
11	""	(NET CLASS) In rank edit window, shows the save button only when rank is changed.
12	""	(NET CLASS) With offline game start option, attach (*) mark for online students in game start window.
13	""	(NET CLASS) Stop the auto goban shift, when teacher is calculating game points or viewing a game.
14	""	(NET CLASS) Topmost show option for share review window.
15	""	(NET CLASS) Audio use option in teacher side. (for combination use with other web conference system)
16	""	(NET CLASS) Hide seat count colume for starf teacher.
17	""	(NET CLASS) Extend student type count from 8 to 16.
18	""	(NET CLASS) Show students' OS version in teacher side.
19	""	(NET CLASS) Light color show the kifu list for live&death game, stone capture game, and external game.
20	""	(NET CLASS) Add「Adult」item in student grade field.
21	""	(COMMON) Hide current symbol for a placed stone.
22	Bug Fix	(NET CLASS) Kifu read error when there exists semi-colon in comment.

23	""	(NET CLASS) Teacher can not mute student, in case of PC's hardware.
24	""	(NET CLASS) Can not show move number of tsumego in observer app.
25	""	(NET CLASS) Default game time is 20s (30s is correct) in teacher setting window.
26	""	(NET CLASS) Teaher game judgement result is not saved in server.
27	""	(NET CLASS) In extension mode, exeption ocurred in net check, when some rooms are not initialized.
28	""	(NET CLASS) Student info missed in sample class for starff teacher, if none classes are assigned.
29	""	(NET CLASS) Sample class appears even in hidden option, after saving student type.
30	""	(NET CLASS) View, Shr.Review tab show in student side is changed when teacher adjust voice volume.
31	""	(NET CLASS) Can not start game timer, in external kifu game.
32	""	(COMMON) Can not show onboard comment, in goban design window.
Ver8.8 (2020/05/01)		
1	New Feature	(NET CLASS) Game with external kifu. (Optional)
2	""	(NET CLASS) Sending and receiving of http link by textual chat.
3	""	(NET CLASS) Delegate room teacher by student. (Save kifu as a student)
4	""	(NET CLASS) Replace student function for empoyed teacher. (Optional)
5	""	(AI GOBAN) Kifu copy and paste.
6	""	(COMMON) Show development donation button. (Japan only)
7	Improvement	(AI GOBAN) Katago 1.3.5 upgrade.
8	""	(AI GOBAN) Show rank info in [player name] beside goban.
9	""	(AI GOBAN, PROBLEM LIB) Show revise 10 to 8 kifus / page, for convenience of page print.
10	""	(NET CLASS) Add school grade info for student.
11	""	(NET CLASS) Expand inner rank from R50 to R100.
12	""	(NET CLASS) Sort and colored show students by kifu date.
13	""	(NET CLASS) Hide sample students info.
14	""	(NET CLASS) Merged show kifus for a student for different classroom.
15	""	(NET CLASS) Create a game in offline state, and save kifu in server. (Optional)
16	""	(NET CLASS) Save move count in kifu as a part of result.
17	""	(NET CLASS) Add description for class info upload and download.
18	""	(NET CLASS) Clear time lag of audio on/off.
19	""	(COMMON) Curve display inprovement on goban.
20	""	(COMMON) Code signature release.
21	Bug Fix	(NET CLASS) Exeption abort when saving staff teacher info without name or password.
22	""	(NET CLASS) Student app exits abnormally, if remark data of cls info is multilined.
23	""	(OBSERVER) Sometime system observer is not effective.
Ver8.7 (2020/03/30)		
1	New Feature	(NET CLASS) Game judgement by teacher.
2	""	(NET CLASS) Raise hand by student.
3	""	(NET CLASS) Sending popup message (or seat check) to student(s) by teacher.
4	""	(NET CLASS) Default game time, komi points setting by teacher.
5	""	(NET CLASS) Place stone in share goban, for both teacher and student.
6	""	(NET CLASS) Delete moves by double right click, in share goban.
7	Improvement	(NET CLASS) Retain move permission setting in share goban, when member is changed.
8	""	(NET CLASS) Show next move position by goban setting in share goban.
9	""	(NET CLASS) Hide student id, and disable kifu detete function for employed teacher.
10	""	(NET CLASS) Startup in mute mode setting.
11	""	(NET CLASS) Video recording in student side, in extension class mode.
12	""	(NET CLASS) Retain room voice even teaher leaved, in extension class mode.
13	""	(NET CLASS) Change student's seat between rooms, even online.
14	""	(AI GOBAN) Katago 1.3.3 and weight file upgrade.
15	""	(AI GOBAN) Hide kifu basic information display, in diagram window.
16	""	(COMMON) Enlarge font size for goban symbol.
17	""	(COMMON) Popup version upgrade window, when new version is available.
18	""	(COMMON) Other small revisions.
19	Bug Fix	(AI GOBAN) Weight file path is not displayed.
20	""	(AI GOBAN) Change to small goban while LZ engine is stopped. Process is aborted when restart analysis.
21	""	(COMMON) Can not show some kifus normally, which are edited by other kifu editor.
22	""	(NET CLASS) Share goban window can not restore to original size, when it is minimized.
23	""	(NET CLASS) Kifu does not show correctly, when viaration increased in share goban.
24	""	(NET CLASS) Can not show blink go in teacher's icon goban.
25	""	(NET CLASS) Red frame appears in teaher icon goban, when student is replaced after a small goban game.
26	Removed	(NET CLASS) Remove lecture goban, because there is same function in share goban.
Ver8.6 (2020/02/09)		
1	New Feature	(AI GOBAN) Add KataGo1.3.1 engine,
2	Improvement	(AI GOBAN) Auto start the corresponded engine by goban size of kifu.
3	""	(NET CLASS) Function strengthened in share goban.
4	""	(COMMON) Change the initializing Goban color.
5	Bug Fix	(COMMON) Fix some small bugs.
Ver8.5 (2019/12/5)		
1	Improvement	(AI GOBAN) Popup shows the diagram, when double right click the symbol of next move.
2	""	(AI GOBAN) Auto open current kifu when AI open button is clicked.
3	""	(AI GOBAN) Revise the error message, opening kifu which it is not supported.
4	""	(AI GOBAN) Frame show the area, in gif creation of area output.
5	""	(NET CLASS) Hide the private information in video recording in teacher app. (Optional)
6	Bug Fix	(AI GOBAN) Can not open stone handicap kifu in AI analysis occasionally, which is created by other app.
7	""	(AI GOBAN) Can not close the splash window, when AI startup failed.

8	""	(COMMON) Can not open Katago analysis kifu.
9	""	(COMMON) Captured stones remain on board, in splitted kifu print.
10	""	(COMMON) In 7 lines goban, When out board stones are many, some are printed out of the paper.

Ver8.4 (2019/10/3)

1	New Feature	(AI GOBAN) AI game or analysis for goban size 5,7,9,11,13,15,17.
2	""	(AI GOBAN) Auto analysis by time or by playouts.
3	""	(COMMON) Goban area selection by right mouse drag for snapshot or GIF output.
4	Improvement	(AI GOBAN) Support multi-user operation.
5	""	(COMMON) Hide goban coordinate by setting option for sometimes of goban snapshot.
6	""	(COMMON) Improve items display in some windows.
7	Bug Fix	(AI GOBAN) Application hanged in AI stopping. (rare case)
8	""	(AI GOBAN) Some PC only start up first GPU, and idle the rest ones.
9	""	(COMMON) Last move symble lost in goban snapshot.

Ver8.3 (2019/09/5)

1	New Feature	(AI GOBAN) Auto analysis for all moves in kifu.
2	""	(NET CLASS) Shared review goban for whole class members.
3	""	(NET CLASS) Move delete funtion for interactive review goban.
4	Improvement	(AI GOBAN) Revision of default settings value, for AI Level, Diagram Move Count, Adv Show, etc.
5	""	(COMMON) Revision of auto version upgrade program.
6	""	(COMMON) Improve items display in some windows and some function.
7	Bug Fix	(NET CLASS) Net status becomes unstable after first game is over.
8	""	(AI GOBAN) Start up is hanging after immediate quit in previous starting. (rare case)
9	""	(AI GOBAN) Items show abnormally in right side window, when display's resolution is low.
10	""	(COMMON) Move number display is inccorrect, when placed stones is inserted between move stones.
11	""	(COMMON) Kifu read exception, in those MN tag exists.

Ver8.2 (2019/08/1)

1	New Feature	AI Goban (AI game&analysis driven by Leela Zero)
2	""	Basic kifu information edit, by right double click goban.
3	Improvement	Teacher can confirm all student's ID even in a lesson.
4	""	Show students' location in teacher main window.
5	""	Extend maximum length of move comment from 512bytes → 1024bytes.
6	""	Several items' showing improvements.
7	Bug Fix	Fix kifu read exception when using OT tag.
8	Removed	Reverse order show of move branches.

Ver8.1 (2019/04/25)

1	Improvement	Add setting of byo-yomi count (0-10), for a game.
2	""	Add settting of think time (min.) (1-10), for a game when use NHK time method.
3	""	Add setting of mouse hotspot size in recorded vedio.
4	""	Add [pre], [next] button in problem view window.
5	""	Adjust layout of some windows and text expressions.
6	""	Add confirm dialog when decline a student in teacher app.
7	""	Switch to show or hide local camera.
8	Bug Fix	Video flashing problem when video is reset during class information tab displayed.
9	""	Exception occurred in game restart, when reserved time is above 1 hour.
10	Removed	2 setting itmes of [continue game when timeout], [vocal request for student] in teacher app.
11	""	Setting item of [recording audio device] in both teacher app and student app.

Ver8.0 (2019/03/21)

1	New Feature	NHK time method, and showing of remain thinking count show.
2	""	Multi language voice of byoyomi and question answer.
3	Improvement	Delimit video size of self, and omit window switch of self video window and textual chat window.
4	""	Move video start/stop button possition to righ bottom in main window.
5	""	Big font show remain time and captured stones' count.
6	""	(Optional) Mouse hotspot of video recording.
7	""	Prohibit mouse right click popup of comment edit window while video recording.
8	""	(Optional) Show step number in GIF output.
9	""	Show online status by student name back color, in teacher main and observer main window.
10	""	(Optional) Comment input assistant window in problem creattion.
11	Bug Fix	Video sound going bad in video recording when use stone sound for some PC. Use stone sound setting.
12	""	Time clock stopped in sometime in student app.
13	""	Stone sound not played, when mouse clicked the next step position.

Ver7.9 (2019/02/15)

1	New Feature	Blind game (for single or both) .
2	""	Instruction game, lecture and kifu review functions in convention mode.
3	""	Goban size of 15,17.
4	""	Page print of problem libray or kifu browser.
5	""	Special foler show in kifu browser.
6	Improvement	Auto update room list info in teacher login window.
7	""	Control button show of setting, and setting items of goban tool according to caller.
8	""	User settings of goban size for problem-new window.
9	""	User settings of correct answer symbol for kifu browser.
10	""	Revisons of items' english notation of login windows for teacher, student, observer.
11	""	Always show problem mode checkbox in kifu browser.
12	""	Always print kifu simbols.
13	""	Auto maximize video for single student class.
14	""	Prohibit goban comment show in kifu review or lecture window.

15	""	Always show kick out column in teacher main window.
16	""	Goban style setting for congress mode, and parent window update.
17	Bug Fix	Point calculate button is not hidden in observer app and lecture view of student app.
18	""	Save failed when no class is assigned to a teacher, in sub-room edit window.
19	""	White first checkbox is not initialized in goban initialization.
20	""	Can not place a stone in problem edit window when it starts up.
21	""	Comment and comment background mistakes, in goban image print.
22	""	Book pint with answer, if answer is not input, problem kifu is printed as answer.
23	Removed	Room select combbox in student or observer login window.
24	""	Observer id. (Anonymous login only)
25	""	Observer count settings.
26	""	Folder movement functions in kifu brower.

Ver7.8 (2019/01/04)

1	New Feature	Management of symbol tags in kifu. (Edit, Show, Print, GIF output, Goban Setting)
2	""	Auto detection of kifu charset.
3	""	Auto change mouse icon in symbol edit mode.
4	""	Management of hint setting in problem library.
5	Improvement	Twice input and check for mail address in teacher id registry window.
6	""	Use file name as problem name, when problem name is not set.
7	""	Auto load sample kifu in goban customize window.
8	""	Open problem with goban tool in try mode.
9	""	Hide shape buttons in point calculate mode.
10	""	Switch to stone mode, by right click while in symbol edit mode.
11	Bug Fix	File extension name is saved in server when execute problem's batch upload.
12	""	Tree node icon is not correct in library open window.
13	""	Question name does not updated when new question file opened in question edit window.
14	""	Can not click stone in point calculate window , when shifted from arrow, line draw mode.

Ver7.7 (2018/12/10)

1	New Feature	(GobanTool) Kifu explorer, for local problem library making and for kifu editing & viewing.
2	""	(GobanTool) GIF Generator for kifu review mode.
3	""	(Problem Library) Self review window.
4	""	(Problem Library) Batch problems upload for authorized users.
5		(Problem Library) Delete whole library function for super user.
6	""	Goban back color template, and background image selection.
7	""	File selection list in lecture window.
8	""	Kifu open with goban tool from teacher app before enter class.
9	""	Donation functions.
10	Improvement	Auto installer download check for version upgrading.
11	""	Add file name field in problem edit window.
12	""	Cover page output option for book print.
13	""	Problem library public open only by super user.
14	""	Auto create a super observer when pre-set super observer get failed.
15	""	Auto adjust image size according to goban size, of game/problem over.
16	""	Port setting in server & hidden of IP display
17	""	Net status improvement.
18	""	Change default GIF play speed. 1sec -> 1.5 sec.
19	""	Frame emphasized show for current move in GIF.
20	Bug Fix	Total page display error in book print.
21	""	Goban back color is auto restored after version upgrade.
22	""	Inner rank R33 is duplicated.
23	""	In Win10, Mouse position errors in recording video when DPI is not 100%.
24	""	Exeption occurred when changing item of destination char code, in code convertion window.
25	Removed	(Problem Library) Answer view window.
26	""	(Problem Library) Remove problem new, problem clear menu items in folder tree.
27	""	(GobanTool) Replay times setting of GIF.

Ver7.6 (2018/11/02)

1	New Feature	(Optional) Show teacher and student name in video by setting.
2	""	(Optional) Auto continue game when byoyomi timeout by setting.
3	""	Add shortcut in program menu, to reset app enviroment.
4	""	Manual download kifu and auto download kifu for recent 20 pieces.
5	Improvement	Speed up kifu browse window show when lots of kifu are loaded.
6	""	Speed up student replace window show when lots of students are loaded.
7	""	Cut the influence in net status when save kifu to server.
8	""	Revised the game information show. (Jyosen, Gyaku Komi etc.)
9	""	Color show game win or lose, in kifu browse window.
10	""	Change byoyomi, game over, question answer ok sound.
11	""	Output log into specified LOG folder.
12	""	(Problem Library) Forbidden move add when result (OK/NG) is set, in question edit window.
13	""	(Problem Library) Add some fixed sentences, in question edit window.
14	""	Always use camera in convention mode.
15	Bug Fix	Net disconnected & byoyomi display stopped occasionally.
16	""	Clock sound 2 times when byoyomi is started.
17	""	Can not show circle shape in P2P review of observation app.
18	""	Mouse position does not correctly output in recording, in win10 and font size is not set to 100%.
19	""	Game over image does not closed immediate when mouse clicking.

20	""	The latest move of himself is not updated in student app.
21	""	One side of game player's kifu is not uploaded to server when playing game between students.
22	""	All windows with grid component, grid line is deleted when pressing delete key.
23	Removed	Mail contact functions in teacher app.

Ver7.5 (2018/10/14)

1	New Feature	Save game kifu in server for mobile usage.
2	""	Manual adjust function for student browse sequence.
3	""	(Problem Library) Super user operation functions.
4	""	Add 11-line goban.
5	""	Observation function of lecture.
6	Improvement	Show game setting info and player's rank below goban. Show player's rank in kifu browser.
7	""	Save directory after kifu open or save operation.
8	""	Fixed sentence selection for chat, Adjustment for minimum with of chat window.
9	""	Fixed sentence selection for kifu title.
10	""	Fobidden manual save kifu to game kifu folder.
11	""	(Problem Library) Question open by folder.
12	""	(Problem Library) Fixed sentence selection for question name in question edit window.
13	""	(Problem Library) Simultaneously show comment window when edit a question.
14	""	(Problem Library) Open default 13 line goban when create a question.
15	""	(Problem Library) Red show for those state settled move in question edit window.
16	""	Seperated class info management for teacher, sub-teacher, IP mode.
17	""	Move pattern kifu of life&death game or stone capture game to question server.
18	Bug Fix	Tengen star color does not grayout in goban image print, when use 9-line goban.
19	Removed	Kifu delete function in student app.
20	""	Diagram, My Save browser in student app.
21	""	Image save folder setting.
22	""	Change student, rank edit, kifu delete function when using sub-teacher ID.

Ver7.4 (2018/09/06)

1	New Feature	(Problem Library) Tree structure and maintenance functions.
2	""	(Problem Library) Hint & comment input assistance.
3	""	Auto exit system when teahcer app is idle for a long time.
4	""	(GobanTool) Diagram shortcut show.
5	Improvement	(Problem Library) Prohibit comment show on goban, in Edit & Answer Reference & Test windows.
6	""	(Problem Library) Show goban in big mode in Answer Reference Window.
7	""	(Problem Library) Remove goban print and book print in Answer & Answer Reference windows.
8	""	(Problem Library) Remove local file-saving.
9	""	(Problem Library) Check placed stones is normal.
10	""	Multi-language account activation, and show result in big font.
11	""	Return to play mode when clear all symbol button is pressed.
12	""	Show student id in teacher app, in convention mode.
13	""	Control student's recording function under teacher's setting.
14	""	Group setting items of goban tool & teacher app.
15	""	Display all local Ips in teacher app when run in IP mode.
16	Bug Fix	Remain time of time limited game, return back in teacher app.
17	""	Can not open kifu that's edited by Sabaki.
18	""	Revise submit method and data structure in Webservice.
19	""	Student type name shows incorrect in sub class.

Ver7.3 (2018/07/19)

1	New Feature	Book Print, Problem Print & Answer Print, Goban Image Print.
2	""	(Optional) Big show players beside goban.
3	""	(Optional) Student's attitude alarm.
4	""	(Optional) Show comments of sub-branches.
5	""	(Optional) Reversed sequence showing of sub-branches.
6	""	(GIF Generator) Default output style and user defined output style.
7	""	Color selection for line, arrow, symbol show and backspace.
8	""	Cut & paste of goban capture.
9	Improvement	(Optional) Pre-setting of video times, and count down showing.
10	""	Cope with bad net conditions.
11	""	Showing kifu file name in title of goban window.
12	""	Save product name and version, and charset into kifu file.
13	""	Showing EV as candidate of game name GN.
14	""	(GIF Generator) Remove outer frame lines.
15	""	Clear background goban lines of symbols.
16	""	Set default backgound color of goban, as same as GoWrite.
17	""	Dedault show next move position in goban.
18	""	Multi-language showing for kifu basic information. (e.g. game setting, game result etc.)
19	""	(Optional) On/Off setting of sound play when game over.
20	""	Show prompt message when server info getting failed.
21	""	Revision for some text showing.
22	Bug Fix	Parser bug for branches when kifu file is read.
23	""	Symbol draw toolbar is shown in answer view window of Question App.
24	""	Game kifu displays differently between players when net unstable.
25	""	Lack check for those kifu without placed stones, in question make&test, question check&test window.
26	""	None response or auto answer time lag occured in question app.
27	Removed	Video recording in student App.

28	""	Alphabet symbol add of P2P function in student App.
29	""	Background image setting for goban.
30	""	Confirmation windows when delete moves.

Ver7.2 (2018/06/01)

1	New Feature	(GIF Generator) Batch auto generator.
2	""	Add shapes or arrows show in goban.
3	""	(GobanTool) Video lectural meterial making functions, with advertisement text show and camera show.
4	""	(GobanTool) Show kifu comment on goban. (optional)
5	Improvement	Start melody and show image, when game over in student app.
6	""	(GIF Generator) Output all variations in one GIF file. (optional)
7	""	(GIF Generator) Use mouse drag in setting GIF output area.
8	""	(GIF Generator) Settings of subtitle font size, back color, forecolor, or cordinate output option.
9	""	Arrange comment, shape, draw line color as same to last move symbol.
10	""	Add buttons of alternative move mode & delete current move.
11	""	Arrange goban style of goban setting, kifu reference as same to goban tool.
12	""	Correct navigate button tooltip text in Japanese.
13	""	Add tooltips show for bottom image buttons in goban tool and teacher main window.
14	""	Save language code in server DB, when apply a teacher id.
15	""	Popup message box when auto upgrade failed.
16	""	Retrieve file extension name of EXE, of auto upgrade booter.
17	Bug Fix	Checkbox not been shown, when open a none answer question under stone add mode.
18	""	Old kifu title been shown, after initialize goban and edit a move comment.
19	""	Hand draw line goes out of goban, when student initialized a goban to a smaller size in p2p review.
20	""	Unexpected character show in goban, after alphabet reached Z, in p2p review.

Ver7.1 (2018/05/10)

1	New Feature	(GIF Generator) Description setting.
2	""	Customize save folder for video or image files.
3	""	Video recording function in teacher app.
4	""	Sub-teacher management in concerning class information data protection.
5	Improvement	Adjust mouse operation method same to Multigo, when in add-stone mode.
6	""	Adjust byo-yomi display method same to well using internet go platform.
7	""	(GIF Generator) WYSIWYG output for multi-divergences kifu.
8	""	(GIF Generator) Revision of output area setting window.
9	""	Auto showing current file name when kifu save button is clicked.
10	""	Revision of upload / download function of class information
11	""	Auto upgrading functions in installer.
12	""	Always show stone add buttons in goban tool or question make window.
13	""	Show kifu list in desc order of file update datetime.
14	Bug Fix	In lecture window, Number clear button do not work, after stones are added.
15	""	Stone move sound is not disabled when student's P2P function is forbiden.

Ver7.0 (2018/04/19)

1	New Feature	Auto kifu GIF generator.
2	""	(Optional) Kick off online student function in teacher app for those with bad manner or bad attitudes.
3	""	(Optional) Switch of P2P review function for a certain student in teacher app.
4	""	(Optional) Vocal request confirmation in teacher app.
5	""	Add kifu save format as a diagram.
6	""	Show list of diagram kifu and common kifu in student app.
7	""	Automaticaly switch to Chinese server for those login from China mainland.
8	""	Add minimize button in startup main menu window.
9	Improvement	Restrict ip login mode in LAN lessons.
10	""	Upgrade audio/video components to cope with various of display settings.
11	""	Release CPU consumption of audio/video transfer, to improve voice quality.
12	""	Add default save folder for GIFs or screen capture graphes.
13	""	Revision some of language expressions in some windows.
14	""	Add tooltips for buttons of Print Kifu & Save Image in question test window.
15	""	Disable kifu comment edit, when in auto kifu play.
16	Bug Fix	Point Calc button disappeared occasionally in instruction game play window of teacher app.
17	""	Class inforamtion download failed when using oversea servers.
18	""	Video area can not be screen captured.

Ver6.9 (2018/03/17)

1	New Feature	Uploading / downloading function of class information.
2	""	Kifu preview function before lesson in teacher app.
3	""	Room capacity setting, when use congress mode.
4	Improvement	Restart game even it's normally ended
5	""	Adjusting game time anytime for a time set game.
6	""	Auto stop game clock when net disconnected by option.
7	""	Video recording components upgrade.
8	""	Audo generate system observer when get system observer failed.
9	""	Remove count of placed stones before output move count to game result.
10	""	Adjusting tab button height in all windows.
11	""	In congress mode, update window show by current setting when room switched.
12	""	Auto game over by presetted captured stones' count in stone capture game.
13	""	Show or hide video area by switch.
14	Bug Fix	Interactive kifu review window remains in desktop even it is closed in teacher app.
15	""	Kifu history is not updated when game is going in student app.

16	""	Auto version upgrade failed for some users.
17	""	Move is outputed to kifu file while is stopping in teacher app.

Ver6.8 (2018/03/01)		
1	New Feature	Add draw pen function in teacher side of lecture, p2p review windows.
2	Improvement	Batch donation and batch donation cancel.
3	""	Randomly select a move for auto reply in exercise question.
4	""	Update teacher properties using XML setting files.
5	""	Partial selection in batch question donation and Kifu code converter.
6	""	Hidden question id and update time stamp.
7	""	Show icon goban in question's questionaire window.
8	""	Set kifu title by classroom name.
9	""	Remove priority control of auto function shift, in student app, when using one room mode.
10	""	Show only one P2P review window in teacher app.
11	""	Auto move to end of a question, when do donation inspection.
12	Bug Fix	Kifu output collapsed, when net is unstable.
13	""	Connection & disconnection often occurred when net is unstable.
14	""	Goban size take effect, after closing game set window by pressing CANCEL button.
15	""	Classmate game viewer in teahcer app, raised exception when new different SIZE game started.

Ver6.7 (2018/02/16)		
1	New Feature	Question Database of First Edition (Expand by times)
2	""	Question Database Management (Add, Delete, Edit, Search, Check etc.)
3	""	Question Tool (Create Question, Move&Comment Edit, Test Question etc.)
4	""	Kifu Character Code Convertor (Single mode, Batch mode)
5	""	Display each student's version information in teacher main window.
6	""	IGC Observer (For System Investigation)
7	Improvement	Remove teacher ID mode function when using local server.
8	""	Change kifu character code from UTF8 (N-BOM) to UTF8(BOM).
9	""	Remove temporary folder when app is exited.
10	""	Adjustment of button style or button text.
11	""	Fobidden auto window shift in student app, when received interactive review during game or lecture.
12	""	Remove lecture and p2p review from teacher main window when using congress mode.
13	Bug Fix	Exception occurred when start lesson using IP mode.
14	""	Textual chat does not work when using IP mode.
15	""	Voice is out of control when net state is unstable.
16	""	Lecture opponent is out of control after student is replaced.
17	""	Nigiri button still show in game set window, even handicap stones is set.
18	""	Item duplicated of login teacher id history, in student login window.
19	""	Stone no showing is incorrect when placed stones exist.

Ver6.6 (2018/01/14)		
1	Improvement	Use room no to classify sub-teacher IDs.
2	Bug Fix	Goban can not show time setted game under Chinese WinXP system.
3	""	The time information of a game between students is not shown in observer app.

Ver6.5 (2018/01/07)		
1	Improvement	Interactive group kifu review with 2 students and teacher.
2	""	Add clean voice, clean lecture buttons for all students in teacher main window.
3	""	Extend user define rank to 50 grades.
4	""	Edition of user define student types.
5	""	Drag and drop open for SGF kifu file.
6	""	Textual chat function between students with text color classication.
7	""	Show classmates' online states in student app.
8	""	Prompt game begin window for stone capture game & life or death game.
9	""	Disable the kifu open button in game viewer.
10	""	Show local IP, public IP, used ports in teacher app, when using IP login mode.
11	""	Show speak or mute state in student app.
12	""	Remove video recording function in teacher app.
13	""	Set the member id of each student in audio/video room by seat no.
14	Bug Fix	Rank info is not updated in student or observer app, when it is changed by teacher.
15	""	Potential exception of win refresh in student/observer app, after teacher logout in ip mode.
16	""	The coordination info of last move is not showing in P2P review windows of teacher app.
17	""	Point calc or stone number ctrl buttons disappeared occationally in game win of student app.

Ver6.4 (2017/12/15)		
1	New Feature	Stone capture game & Life or death game.
2	""	Parent/children teacher ID management, for a school opening several classes simultaneously.
3	""	Tsumego editor in Goban Tool App.
4	""	Kifu auto replay in Goban Tool App. Speed adjustable by setting.
5	""	Adjusting student's rank while classroom keeps in opening.
6	""	Changing student while classroom keeps in opening.
7	Improvement	Discard local server option, when using teacher ID login mode.
8	""	Add rank display in class edit window.
9	""	Move email contact button control to email send window.
10	""	Prompt kifu saving dialog, before exiting Goban Tool App.
11	""	Add teacher id show in teacher main window.
12	""	Auto shift to point calculation window when game players both pressing pass button.
13	""	Time resetting for time out game.
14	Bug Fix	Mute failed for some PC, by case of audio device.

15	""	Kifu output abnormal, when network is unstable.
16	""	Rank showing error in Observer App for games between students.
17	""	Fixed area not showing when point calculation window is first loaded.
18	""	Interactive kifu review between students does not work, when using IP login mode.

Ver6.3 (2017/11/05)

1	New Feature	Hall Mode (for school club).
2	""	Lecture function of tsume go.
3	""	Game, tsumego, lecture for go board 4×4 .
4	""	Recall teacher id and password by registered email address.
5	""	Show Nigiri window in both players.
6	""	Anonymous observer function.
7	""	Video folder open and view.
8	Improvement	Revision coping with Chinese firewall.
9	""	Character check for password.
10	""	Multi-language auto reply email of account registration.
11	""	Use half size alphanumeric character in windows or messages.
12	""	Expand goban show area by decreasing kifu description area in bottom.
13	""	[P2P -> Bi-direction review] expression changes except English version.
14	""	Promotion video resolution according to teacher id.
15	""	Hide mail contact button when no students' email addresses are input.
16	""	Show next position in goban by default except tsumego.
17	""	Auto relogin when network back to normal.
18	Bug Fix	Exeption occurred when click first column in teacher's main window.
19	""	Fail to read KGS kifu messing with chat, territory calculation, remain time.
20	""	Observer id does not work when it is newly changed one.
21	""	Kifu print position deviated for small size goban.
22	""	P2P button does not blink in teacher side when student submit P2P review at first time.

Ver6.2 (2017/10/07)

1	New Feature	Maximum 100 members of Go congress mode.
2	Improvement	Add complimentary time when byo-yomi to 1 second, to ease internet time lag.
3	""	Save video / textual chat tab selection in app of both teacher and student.
4	""	Optional white first / black first, convinent for Tsume Go lecture.
5	""	Optional showing of label indicating next step position.
6	""	Use domain name and special ports coping with school security management.
7	""	Disable entrance of lesson when no students are asigned to class.
8	Bug Fix	Components not resized when main window resizing.

Ver6.1 (2017/09/05)

1	New Feature	Share interactive review(between teacher&student or student&student) to all members.
2	Improvement	Revise some of windows on showing.
3	Bug Fix	Kifu can't be correctly loaded when press SELF REVIEW button speedly&continuesly.
4	""	Kifu info in the bottom area is not updated when new kifu opened in P2P review window.
5	""	In WindowsXP, clock alarm sound and remain second showing does not work.

Ver6.0 (2017/08/26)

1	New Feature	Delete kifu from kifu history window.
2	""	Edit student ID in teacher app.
3	""	Start up P2P review from kifu list in student app.
4	Improvement	Embed P2P Review, Observer window into student's main window.
5	""	Change product name to [Net Igo Campus System], for system extension in future.
6	""	Some notation revisions in some of windows.
7	""	Show game information in goban icon in observer or teacher main window .
8	""	Add two sides byo-yomi alert in between-student game, in teacher's game viewer.
9	Bug Fix	Fix bug of Goban clear of labels, in interactive review window when kifu is loaded.
10	""	Create kifu folder for new student ID when teacher app started.

Ver5.9 (2017/08/05)

1	New Feature	Add function of inner rank management for dojyo.
2	""	Add function of clock stop when playing game.
3	Improvement	Continue show kifu even when net is disconnected, In observer app.
4	""	Avoid restarting app when audio/video device is changed.
5	""	Some expressions revision for Japanese.
6	Bug Fix	Fix bug of kifu is not saved in sometimes.
7	""	Fix bug of unabling adjust volume in Goban app.

Ver5.8 (2017/07/17)

1	Improvement	Add usage for standard user .
2	""	Update recording components.
3	""	Hide stone adding button in P2P review window.
4	Bug Fix	Unable adding stone in lecture window when firstly start it.
5	""	Button display mistake in P2P review window when firstly start it.

Ver5.7 (2017/06/19)

1	New Feature	Add traditional Chinese version.
2	""	Add Kifu print (whole, separate, partial printing), multi-code, and ink saving mode.
3	""	Video recording function in Goban application, for teachers making education video.
4	Improvement	Auto change goban for teacher playing muli-faced instruction Go games (optional).
5	""	Saving class name for game name in kifu (optional).
6	""	Load sample class information (optional).
7	""	Form layout improvements.

Ver5.6 (2017/04/19)		
1	Improvement	Promote speed in upgrade package downloading, for China mainland.
2	Bug Fix	Fix bug in Ver5.4 of net abnormal.
3	""	Fix bug of video flickering when new user login.
4	""	Fix bug of kifu review between students, when not using proxy server.
5	""	Fix bug of kifu step error caused by net disconnect.
6	""	Remove prompt message box, when recontinue a game that was stopped by net disconnect.
Ver5.4 (2017/04/13)		
1	New Feature	Kifu review between students, and kifu review while in game.
2	""	Add interactive review goban, can move in each side simultaneously.
3	Improvement	Show game start message box, with non-handicap game.
4	""	Version upgrade with audio/video, recording components.
5	Bug Fix	Add timeout treatment for low net speed circumstance.
Ver5.3 (2017/03/19)		
1	New Feature	Provide proxy server, allow everyone setup his Go classes freely.
2	Improvement	Student startup observer application from lesson main dialog.
3	""	Allow teacher continuing a timeover game, considering net conditions.
4	""	Display remaining seconds on stone, when it is less than 15 seconds in a game.
5	""	Add and delete attachment in Goban.
6	""	Hide symbol of last stone, when saving kifu image.
7	""	Set and edit observer id by teacher.
8	""	Random or manual set who goes black in game creation.
9	""	Set maximum input length of login dialog.
10	""	Check ip input format when use ip login mode.
11	Bug Fix	Rollback time when undo is accepted.
12	""	Refresh all Gobans when it is customized.
13	""	Clear pre-message when switch login mode of teacher id / ip in teacher login dialog.
14	""	Hide stone sound button in observer application.
15	""	Refresh observer goban line color when game is over.
16	""	Clear all observer gobans when net is disconnected.
Ver5.2 (2016/12/08)		
1	New Feature	Time setting for game.
2	""	Emergency reset.
3	Improvement	Adjust font to MS Gothic, for all windows.
4	Bug Fix	Exception occurred when starts up both teacher&student app using same camera.
5	""	Banner window popup in goban app.
Ver5.1 (2016/11/19)		
1	Bug Fix	Application could not exit normaly, when audio device is not prepared.
2	""	Transfer blocked when forward/backward moving is too quickly in lecture.
Ver5.0 (2016/11/12)		
1	New Feature	Add games between students.
2	""	Auto online version update.
3	""	Add goban with size of 5,7.
4	""	Add teacher id mode.
5	Improvement	Improve audio quality.
Ver4.1 (2016/08/24)		
1	Improvement	Improve some functions according to low net speed.
2	""	Improve data transfer functions when teacher use mouse scroller in his letcure.
3	""	Reserve observation rights, for class students, regardless of observation seats count.
4	""	Some expressions revision.
5	Bug Fix	Runtime error some cases of pressing VD.RESET or START VD.REC button.
Ver4.0 (2016/08/04)		
1	New Feature	Add lecture recording function for student review.
2	Improvement	Prompt move position on goban in realtime, for mouse move.
3	""	Show fixed camera phote, even though camera device does not exist.
4	""	Make stone move sound in default.
5	Bug Fix	Runtime error occured pressing VD.RESET button of teacher app.
6	""	Camera no showing of teacher app.
7	""	Login information local save.
Ver3.1 (2016/07/13)		
1	New Feature	Startup teacher, student, observer app, in one window.
2	""	Show observer information in real time of teacher's app.
3	Improvement	Fix audio echo problem.
4	""	Show student name, in move back request messagebox of teacher's app.
5	Bug Fix	Fix display flicker bug in observer app.
Ver3.0 (2016/06/25)		
1	New Feature	Add watcher application.
2	""	Add version check between teacher & student.
3	Improvement	Add video adjustment settings for various net speed.
4	""	Save login history in local.
Ver2.0 (2016/06/04)		
1	Improvement	Improve audio/video qualites for low net speed.
2	""	Send video by default for student.
3	""	Popup language selection window for first time startup.

4	""	Omit install folder selection.
Ver1.0 (2016/05/10)		
1	New Feature	First Release,
		Audio/Video compounded, multi-faced instruction game & lecture education system.